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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 57.2121 Seconds  
(without alignments)  
5580.127 Million cell updates/sec

Title: US-09-807-933B-12  
Perfect score: 1041  
Sequence: 1 atgaagttctccatcatgc.....ctggtgagcgcaagtaa i041

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15333831 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description       |
|------------|-------|-------------|--------|-------|-------------------|
| 1          | 241   | 23.2        | 919    | 4     | US-09-189-060B-67 |
| 2          | 236.6 | 22.7        | 1423   | 3     | US-08-651-136C-9  |
| 3          | 236.6 | 22.7        | 1423   | 4     | US-09-229-911A-9  |
| 4          | 235.2 | 22.6        | 1473   | 1     | US-08-090-013-3   |
| 5          | 235.2 | 22.6        | 1473   | 1     | US-08-081-328-3   |
| 6          | 235.2 | 22.6        | 1473   | 1     | US-08-232-249-3   |
| 7          | 235.2 | 22.6        | 1473   | 2     | US-08-833-642A-3  |
| 8          | 235.2 | 22.6        | 1473   | 2     | US-08-389-423-3   |
| 9          | 235.2 | 22.6        | 1473   | 4     | US-09-230-665-3   |
| 10         | 235.2 | 22.6        | 1473   | 4     | US-09-189-028-3   |
| 11         | 233.2 | 22.4        | 960    | 3     | US-08-651-136C-1  |
| 12         | 233.2 | 22.4        | 960    | 4     | US-09-229-911A-1  |
| 13         | 233.8 | 22.3        | 927    | 3     | US-08-651-136C-5  |
| 14         | 233.8 | 22.3        | 927    | 4     | US-09-229-911A-5  |
| 15         | 230.4 | 22.1        | 894    | 3     | US-08-651-136C-3  |
| 16         | 230.4 | 22.1        | 894    | 4     | US-09-229-911A-3  |
| 17         | 228   | 21.9        | 1174   | 2     | US-08-872-437-1   |
| 18         | 228   | 21.9        | 1174   | 3     | US-08-651-136C-11 |
| 19         | 228   | 21.9        | 1174   | 4     | US-09-229-911A-11 |
| 20         | 226.2 | 21.7        | 984    | 4     | US-09-230-665-7   |
| 21         | 224.6 | 21.6        | 924    | 4     | US-09-189-060B-73 |
| 22         | 222.8 | 21.4        | 924    | 4     | US-09-189-060B-69 |
| 23         | 217.2 | 20.9        | 807    | 4     | US-09-230-665-5   |
| 24         | 217.2 | 20.9        | 1060   | 1     | US-08-090-013-1   |
| 25         | 217.2 | 20.9        | 1060   | 1     | US-08-081-328-1   |
| 26         | 217.2 | 20.9        | 1060   | 1     | US-08-232-249-1   |
| 27         | 217.2 | 20.9        | 1060   | 2     | US-08-921-426-7   |

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| 28 | 217.2 | 20.9 | 1060 | 2 | US-08-833-642A-1  | Sequence 1, Appli  |
| 29 | 217.2 | 20.9 | 1060 | 2 | US-08-140-008A-3  | Sequence 3, Appli  |
| 30 | 217.2 | 20.9 | 1060 | 2 | US-08-389-423-1   | Sequence 1, Appli  |
| 31 | 217.2 | 20.9 | 1060 | 3 | US-08-816-915-7   | Sequence 7, Appli  |
| 32 | 217.2 | 20.9 | 1060 | 4 | US-09-189-060B-55 | Sequence 55, Appli |
| 33 | 217.2 | 20.9 | 1060 | 4 | US-09-230-665-1   | Sequence 1, Appli  |
| 34 | 217.2 | 20.9 | 1060 | 4 | US-09-189-028-1   | Sequence 7, Appli  |
| 35 | 217.2 | 20.9 | 1060 | 5 | PCT-US95-07743-7  | Sequence 7, Appli  |
| 36 | 213.6 | 20.5 | 1132 | 3 | US-08-651-136C-21 | Sequence 21, Appli |
| 37 | 213.6 | 20.5 | 1132 | 4 | US-09-229-911A-21 | Sequence 21, Appli |
| 38 | 209   | 20.1 | 922  | 4 | US-09-189-060B-65 | Sequence 65, Appli |
| 39 | 208   | 20.0 | 1154 | 3 | US-08-651-136C-7  | Sequence 7, Appli  |
| 40 | 208   | 20.0 | 1154 | 4 | US-09-229-911A-7  | Sequence 7, Appli  |
| 41 | 207.4 | 19.9 | 913  | 3 | US-08-651-136C-13 | Sequence 13, Appli |
| 42 | 207.4 | 19.9 | 913  | 4 | US-09-229-911A-13 | Sequence 13, Appli |
| 43 | 205.6 | 19.8 | 885  | 3 | US-08-651-136C-23 | Sequence 23, Appli |
| 44 | 205.6 | 19.8 | 885  | 4 | US-09-229-911A-23 | Sequence 23, Appli |
| 45 | 199.4 | 19.2 | 912  | 4 | US-09-189-060B-71 | Sequence 71, Appli |

ALIGNMENTS

RESULT 1

US-09-189-060B-67  
; Sequence 67, Application US/09189060B  
; Patent No. 6270968  
; GENERAL INFORMATION:  
; APPLICANT: Dalboge, Henrik  
; APPLICANT: Sandal, Thomas  
; APPLICANT: Kauppinen, Markus  
; APPLICANT: Borge, Diderichsen  
; TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
; FILE REFERENCE: 4772.204-US  
; CURRENT APPLICATION NUMBER: US/09/189,060B  
; PRIOR APPLICATION NUMBER: PCT/DK97/00216  
; PRIOR FILING DATE: 1998-11-10  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 67  
; LENGTH: 919  
; TYPE: DNA  
; ORGANISM: Hybrid  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (2)...(919)  
US-09-189-060B-67

|                       |        |  |       |                                   |
|-----------------------|--------|--|-------|-----------------------------------|
| Query Match           | 23.2%; | Score 241;   | DB 4; | Length 919;                       |
| Best Local Similarity | 63.1%; | Pred. No. 2e-46;   |       |                                   |
| Matches               | 392;   | Conservative   | 0;    | Mismatches 220; Indels 9; Gaps 1; |
| QY                    | 417    | TGCGTTCTCTGGAAACGGTGCACCTACCGCTACTGGGATTGCTGCAAGCCCTCTTTCGCG | 476   |                                   |
| Db                    | 61     | TGCTTCGCTGCTGTATGGCAGGTCCACGAGGTAAGGTTGTTGTAAGCCCTCTTTCGCTC  | 120   |                                   |
| QY                    | 477    | CTGGGCGCAAAAGGCTTCTGTAAGCTGTACTACCTGTGCCAAGATGGTGTCTAG       | 536   |                                   |
| Db                    | 121    | CTGGGCGCAAAAGGCTTCTGTAAGCTGTACTACCTGTGCCAAGATGGTGTCTAG       | 180   |                                   |
| QY                    | 537    | CGGCTCTCGTTCCGATGTCCAGAGCGGTTGCGTCCGCGCCAGGCTTACATGTGCAATGA  | 596   |                                   |
| Db                    | 181    | CATCTCCGAGCGCAACGCGGTGAGCGGTTGCAACGCGGCACTTCTTACCTGCGAGCA    | 240   |                                   |
| QY                    | 597    | CAACAGGCTCTGGGTTGTCAATGACGACCTTGCCTACGGTTTGGTGTGCCAGTCTCGG   | 656   |                                   |
| Db                    | 241    | CAACTCCCGTGGGCTGTCAACGACAACTCGCTATGGCTTGGCGCTACCAAGCTCTC     | 300   |                                   |
| QY                    | 657    | TAGCGCGGTTGCTTGTGCAATTCCTGCGGCTGTGTACGAGCTTACCTTACCACACTGC   | 716   |                                   |
| Db                    | 301    | TGGAGGCTCCGAGTCCAGCTGGTGTGCTTGTGCTACGCTTACACCTTTACGACTGGCCC  | 360   |                                   |

Wed Jun 18 17:55:11 2003

717 TGTCTGCTGGCAGAGTGTGTCTCCAGGTACCAACACCGGTGATCTCAGACCA 776  
361 CGTGAAGGCAAGACCATGTGTACAGTCCACCAACCGGAGCGATCTCGCGAGAA 420  
777 CCACTTTGATTCAGATGCCCGCGGTGTGCTGCTACTTCAACGGCTGCCAGTCCCA 836  
421 CCACTTCGATCTCAGATGCCCGCGGTGTGCTGCTACTTTCAGCGCTGAGCTCCA 480  
837 GTGGAACACCAACACCGATGGCTGGGCTGCTGCTATGGCGTATTAGTCTATTTCAGA 896  
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897 GTGCGCAAGAGTCTTACCCAGTTCAGGCTGGTTCGAAGTGGAGATTGGATGGTTCAA 956  
532 CTGCGACAGCTTCCCGAGTGTCTCAAGGACGGTGTCTACTGGCGCTACAGCTGGTTCAA 591  
957 GAACGCTGACACCCAGAGGTCACTTCAAGGGTGTGTACTTGGCCTGCCAGATATTGC 1016  
592 GAACGCCGACATCCGAGCTTCAGTTCCTGTCAGTCCAGTGCAGCGCGAGCTCGTCCG 651  
1017 CAAGACTGGTTGCGAGCGCA 1037  
652 TCGACCGGATGCCGCGCA 672

RESULT 2

US-08-651-136C-9  
; Sequence 9, Application US/08651136C  
; Patent No. 6001639  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6001639el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401

COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 21-MAY-1996  
; APPLICATION NUMBER: US/08/651,136C  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 4366.200-US  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1423 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; NAME/KEY: CDS  
; LOCATION: 110..1156

US-08-651-136C-9

Query Match 22.7%; Score 236.6; DB 3; Length 1423;  
Best Local Similarity 62.7%; Pred. No. 2.3e-45;  
Matches 387; Conservative 0; Mismatches 224; Indels 6; Gaps 1;  
QY 418 GGCTTCTCTGAAACGGTTCGCACTACCCGCTACTTGGGATTCGTGCAAGCCCTCTTGGCC 477  
Db 167 GCCGCTCGGCAAGGCCACACCCCGCTACTTGGGATTCGTGCAAGACTTCTTGGCA 226  
QY 478 TGGACGGAAGAGCTTCTGTAACCTAAGCTGTACTACCTGTGCAAGAGTGTGTGAGC 537  
Db 227 TGGAGGCAAGGATCGCTTCCGAGCTGTCTGACCTGTACAGAGCAGCAACCCC 286  
QY 538 CGTCTCGGCTCCGATGTCCAGAGGGTTCGCTCGCGGCCAGGCTACATGTGCAATGAC 597  
Db 287 ATCTGCTGATCCAGCCAGAGCGGTGCGACGGCGGGGCAATTGGCTGTACCAAC 346  
QY 598 AACAGCCCTGGGTTCATAGACACTTGCCTACGGTTTCGGTTCGGTTCGGTTCGGT 657  
Db 347 AATTCCCTTGGGCGGTGAGCGAGACCTGGCTTACGGATTTGCTTGCACAGCCCTCAGC 406  
QY 658 AGCGCGGTGCTCTGCACTTCTGCTGCGGCTGTACAGAGTTTACCTTCCACCAACTGCT 717  
Db 407 GCGGCACTGAGGCGAGCTGTGCTGCGGTGTAGCGCATCACATTACAGAGTGGCCT 466  
QY 718 GTGCTGGCAAGAAGTTTGTGTCAGGTACCAACACCGGTGATGATCTCAGCACCAC 777  
Db 467 GTGCTGGCAAGAAGTGTGTCAGTCCAGTCCACAAACAGCGGAGGCGACTGTCCAAAC 526  
QY 778 CACTTTGATTCAGATGCCCGCGGTGTGCTGCTACTTCAACGGCTGCCAGTCCCAG 837  
Db 527 CACTTTGACCTGATGATTCGCGGTGAGGCGCTTCGCACTTTTGACGGTTCGCTCAG 586  
QY 838 TGGACACCAACACCGATGGCTGGGCTGTCTGCTATGGCGGTATTAGTCTTATTTCAAG 897  
Db 587 T-----TCGGACACTTCTTCCCGGAGCGGTACGGAGGTGTTTCGTCCTCCCTCAA 640  
QY 898 TGGCAACAGCTTCTTACCCAGTTGAGGCTGTGCTGCAAGTGGAGATTCGATGTTCAAG 957  
Db 641 TGGGATGGATGCCCGAGCTCTTGAAGAGCGGTTCGCAAGTGGCGCTTTCAGTGGTTCAAG 700  
QY 958 AAGCTGTGACAAACCGAGGTCACTTCAAGGGTGTGTACTTGGCTGCCCGAGATTCATGTC 1017  
Db 701 AACTCAGACACCTCAGATCGAGTTCGAGAGTCCAGTGTCCCAAGAGGCTCATTTGGC 760  
QY 1018 AAGACTGGTTGCGAGCG 1034  
Db 761 GTCTCTGGGTGCGTCCG 777

RESULT 3

US-09-229-911A-9  
; Sequence 9, Application US/09229911A  
; Patent No. 6387690  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6387690el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1423 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 110..1156  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-09-229-911A-9

Query Match 22.7%; Score 236.6; DB 4; Length 1423;  
Best Local Similarity 62.7%; Pred. No. 2.3e-45; Indels 6; Gaps 1;  
Matches 387; Conservative 0; Mismatches 224;

QY 418 GGTCTTCTGGAAACGGTCCGCTACCGCTACTGGGATTGCTGCAAGCCCTCTTCGGCC 477  
DB 167 GCGCCCTCGGCAAGGCCACACCCCGCTACTGGGATTGCTGCAAGCTTCTTGGCA 226  
QY 478 TGGGAGGAAAGGCTTCTGTAACTTAAGCTGTACTCACCTGTGCCAAGATGTGTACG 537  
DB 227 TGGGAGGCAAGGATCCGCTCCGAGCCCTGCTGACCTGTAAACAGCAGGCAACCC 286  
QY 538 CGTCTCGGTTCCGATGTCAGAGCGTGTGGTGGCGGCCAGCCCTACATGTGCAATGAC 597  
DB 287 ATCGTGTATGCCAACGCCAGAGCGGTGCGAGCGGCGGGGCTTTCCTGTACCAAC 346  
QY 598 AACGAGCCCTGGGTTGTCAATGACGACCTTGGCTACGGTTTTCGCTGCGCAGTCTCGGT 657  
DB 347 AATTCCCTTGGCGCGTGGAGGAGGACCTGGCCTACGGATTTCGTCACAGCCCTCAGC 406  
QY 658 AGCGCGGTGCTCTGCTATTCGCTGGGCTGTAGAGCTTACCTTACCAACATGCT 717  
DB 407 GCGGCACTGAGGCGAGCTGTGTGCTGGCGGTGTACGCCATCATTCACGAGTGGCCCT 466  
QY 718 GTCGCTGGCAAGATTTGTGCTCAGGTCCACCAACCGGTGATGATCTCAGCAACAAC 777  
DB 467 GTGGCTGGCAAGATGTTGCTGCTCAGTCCACCAACCGGAGGCGACCTGTCCACAAC 526  
QY 778 CACTTTGATTGTCAGATGCCCGGCTGTGTGCTGCTACTTCAACGCTGCCAGTCCAG 837  
DB 527 CACTTTGACCTGATTTCCCGGTGGAGGCTTCGGCATCTTTGACGGTTTCTCGGCTCAG 586  
QY 838 TGAACACCAACCGATGCTGGGTGCTGCTGTATGCGGATATTAGCTTATTTCAGAG 897  
DB 587 T-----TCGCAACAACCTTCTTCGCGGCGAGCGTTACGAGGCTGTTTCGTCGCCCTCTCAA 640  
QY 898 TGCACAGGCTTCTACCACTTGCAGGCTGTGTGCAAGTGGAGATTTCGATGTTCAAG 957  
DB 641 TCGGATGGCATGCCCGAGCTCTTTGAAAGAGCGTTGCGAGGTGGCGCTTCGACTGGTCAAG 700  
QY 958 AACGCTGACCAACCCAGAGGTTCACCTTCAAGGCTGTTACTTGGCCCTGCCGAGATCATTCGC 1017

DB 701 AACTCAGACAACCCCTGACATCGAGTTCGAGAGGTCCAGTGTCCCAAGAGCTCATTTGCG 760  
QY 1018 AAGACTGGTTGGAGCG 1034  
DB 761 GTCTCTGGGTGGTCCG 777

RESULT 4  
US-08-090-013-3  
Sequence 3, Application US/08090013  
Patent No. 5443750  
GENERAL INFORMATION:  
APPLICANT: CONVENTS, ANDRE C  
APPLICANT: BUSCH, ALFRED  
APPLICANT: BAECK, ANDRE C  
TITLE OF INVENTION: DETERGENT COMPOSITION WITH HIGH ACTIVITY  
TITLE OF INVENTION: CELLULOSE AND SOFTENING CLAYS  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
STREET: 5299 SPRING GROVE AVENUE  
CITY: CINCINNATI  
STATE: OHIO  
COUNTRY: USA  
ZIP: 45217  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/090,013  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 91202880.0  
FILING DATE: 06-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: PATEL, KEN K.  
REGISTRATION NUMBER: 33,988  
REFERENCE/DOCKET NUMBER: CM393  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 513-627-6437  
TELEFAX: 513-627-4854  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1473 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 97..1224  
US-08-090-013-3

Query Match 22.6%; Score 235.2; DB 1; Length 1473;  
Best Local Similarity 63.8%; Pred. No. 4.8e-45; Indels 9; Gaps 2;  
Matches 392; Conservative 0; Mismatches 213;

QY 424 TCTGGAACCGTCGCACTACCGCTACTGGGATTGCTGCAAGCCCTCTTCGCGCTGGGAC 483  
DB 151 TCTGGAAGCGGTCACTCTACTCGATACTGGGATTGCTGCAAGCTTCTTCTGCTCTTGAGC 210  
QY 484 GGAAGGCTTCTGTAACTAAGCTGTACTCAGCTGTGCCAAGATGGTGTACGCGCTCTC 543  
DB 211 GGAAGGCTGCTGTCAACGCCCTGCTTTAACTGTGTAAAGAACACCAACCCCATTTCC 270  
QY 544 GGTTCGATGTCCAGAGCGGTTG---CGTCGGCGGCCAGCCCTACATGTGCAATGACAC 600  
DB 271 AACACCAATGTGTCAACCGTTGTGAGGGTGGTGTCTGCTTATGCTTGCACCAACTAC 330  
QY 601 CAGCCCTGGGTTGTCAATGACGACCTTGCTACGGTTTCGCTGCTGCCAGTCTTCGGTAGC 660

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; NAME/KEY: CDS
; LOCATION: 97...1224
; US-08-081-328-3

Query Match      22.6%; Score 235.2; DB 1; Length 1473;
Best Local Similarity 63.8%; Pred. No. 4.8e-45;
Matches 392; Conservative 0; Mismatches 213; Indels 9; Gaps 2;

QY 424 TCTGGAAACGGTCGCACTACCCGCTACTGGGATTGCTCAAGCGCCCTCTTTCGCGCTCGGAC 483
Db 151 TCTGGAAAGCGGTCACTCTACTCGATCTGGGATTGCTGCAAGCCTCTTCTGCTCTTGAGC 210
QY 484 GGAAGGCTTCTGTAACTAAGCCTGTACTCACCTGTGCCAAGATGGTGTCAGCCGCTCTC 543
Db 211 GGAAGGCTGCTGTCAACGCCCTCTGCTTTAACTTGTGATAAGAACGCAACACCCCAATTTC 270
QY 544 GTTTCGATGTCGAGCGGTTG---CGTCGGCGGCCAGGCGCTACATGTGCAATGACAAC 600
Db 271 AACACCAATGTGTCAACGGTTGTGAGGGTGGTGGTCTGCTTATGCTTGCACCAACTAC 330
QY 601 CAGCCCTGGGTTGTCAATGACGACCTTGCCTACGGTTTCGCTGCGCAGTCTCGGTAGC 660
Db 331 TCTCCTTGGGCTGTCAACGATGAGCTTTCGCTACGGTTTCGCTGCTACCAAGATCTCGGT 390
QY 661 GCCGGTGCCTTCGATTTCTGCTGCGGCTGTTTACGAGCTTACCTTCAACCACTCTGTGTC 720
Db 391 GCCTCCGAGGCGAGCTGGTGTGCTGTGCTTATGCTTTCACCTTCAACCACTGGCCCCGTC 450
QY 721 GCTGCAAGAAAGTTTGTGCTCCAGGTCAACCAACCCGGTGATGATCTCAGCAACCAACCAC 780
Db 451 AAGGCACAGAGATGATCGTCCAGTCCACCAACACTGGAGGTGATCTCGGCGACAACCAAC 510
QY 781 TTTGATTTGCAAGATCCCGCGGTTGGTTCGCTACTTCAACGGCTGCGCAGTCCCGAGTGG 840
Db 511 TTGATCTCATGATGCCCGGGTGGTTCGGTATCTTCGACGGCTGCACCTCTGAGT-- 568
QY 841 AACACCAACACCGATGGTGGGGTCTCGCTATGCGGATTAAGTCTATTTCAGAGTGC 900
Db 569 ----TGCGCAAGGCTCTCGGCGGTGCCAGTACGGCGGTATCTCTCCCGAAGCGAAATGT 624
QY 901 GACAAGCTTCTACCCAGTTGCAGGCTGGTTCGAAGTGGAGATTCCGATGGTTTCAAGAAC 960
Db 625 GATAGTACCCCGAGCTTCTCAAGACGGTTCGCTACTGGCGATTGCACTGGTTCGAGAAC 684
QY 961 GCTGCAACCCAGAGGTCACTTCAAGGCTGTACTTGGCCTCGCGAGATCATTTGCCAAG 102
Db 685 GCCGACAAACCTGACTTCACCTTTGAGCAGGTTTCAGTGGCCCCAAGGCTCTCTCGCATTC 744
QY 1021 ACTGGTTGCGAGCG 1034
Db 745 AGTGGATGCAAGCG 758

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RESULT 6  
US-08-232-249-3  
; Sequence 3, Application US/08232249  
; Patent No. 5610129  
; GENERAL INFORMATION:  
; APPLICANT: MCCORQUODALE, FINLAY (NMN)  
; APPLICANT: BUSCH, ALFRED (NMN)  
; TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
; STREET: 5299 SPRING GROVE AVENUE  
; CITY: CINCINNATI  
; STATE: OHIO  
; COUNTRY: USA  
; ZIP: 45217  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

[illegible]

RESULT 5  
US-08-081-328-3  
; Sequence 3, Application US/08081328  
; Patent No. 5520838  
; GENERAL INFORMATION:  
; APPLICANT: BAECK, ANDRE C.  
; APPLICANT: CULEMANS, RAPHAEL ANGELINE A.  
; APPLICANT: BUSCH, ALFRED (NMN)  
; TITLE OF INVENTION: COMPACT DETERGENT COMPOSITIONS WITH  
; TITLE OF INVENTION: HIGH ACTIVITY CELLULASE  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
; STREET: 11810 East Miami River Road  
; CITY: CINCINNATI  
; STATE: OHIO  
; COUNTRY: USA  
; ZIP: 45253-8707  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/081,328  
; FILING DATE: 11/19/93  
; CLASSIFICATION: 252  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ZEREY, KIM WILLIAM  
; REGISTRATION NUMBER: 32,323  
; REFERENCE/DOCKET NUMBER: CM356M  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 513-627-2885  
; TELEFAX: 513-627-0318  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1473 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; FEATURE:



Db 391 GGCTCCGAGGCCAGCTGGTGTCTGCTTGTCTATGCTTTGACCTTACCACTGGCCCCGTC 450  
QY 721 GCTGGCAAGAGTTTGTGTCAGGTTCACCAACACCGGTGATCTCAGACCAACCAAC 780  
Db 451 AAGGGCAAGAGATGATGTCCTCAGTCCACCACTGGAGGTGATCTCGGCGACCAAC 510  
QY 781 TTTGATTGAGATGCGCGCGGTGGTGTGGCTACTCAACCGGTGCCAGTCCAGTGG 840  
Db 511 TTGATCTCATGATGCGCGCGGTGGTGTGGTATCTTCGACGGCTGCACCTCTGAGT-- 568  
QY 841 AACACCAACCGATGCTGGGTGCTGCTATGCGGTATTTAGCTCTATTTTCAGAGTC 900  
Db 569 ----TCGGCAAGGCTCTCGCGGTGGCCAGTACGGCGGTATCTCTCCCGAAGCGATGT 524  
QY 901 GACAAGCTTCTTACCCAGTTGCAAGCTGGTGTGCAAGTGGAGATTCGGATGTTCAAGAAC 960  
Db 625 GATAGCTACCCCGAGCTTCTCAAGGACGGTGGCCACTGGCGATTTCGACTGGTTCGAGAAC 684  
QY 961 GCTGACAAACCGAGAGTGCACCTTCAAGGCTGTTACTTGGCTCCCGAGATCATTCGCAAG 1020  
Db 685 GCCGACAAACCTGACTTTCACCTTTGAGCAGGTTTCAGTGCCCCCAAGGCTCTCTCTCGACATC 744  
QY 1021 ACTGGTTGGCAGCG 1034  
Db 745 AGTGGATGCAAGCG 758

RESULT 8  
US-08-389-423-3  
; Sequence 3, Application US/08389423  
; Patent No. 5948672  
; GENERAL INFORMATION:  
; APPLICANT: Rasmussen, Grethe  
; APPLICANT: Mikkelsen, Jan Moller  
; APPLICANT: Schuelein, Martin  
; APPLICANT: Parker, Shankant A.  
; APPLICANT: Hagen, Fred  
; TITLE OF INVENTION: A Cellulase Preparation Comprising an  
; TITLE OF INVENTION: Endoglucanase Enzyme  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 5948672o No. 5948672disk of No. 5948672th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/389,423  
; FILING DATE: 14-FEB-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 3469.214-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1473 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO

ORIGINAL SOURCE:  
; ORGANISM: Fusarium oxysporum  
; STRAIN: DSM 2672  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 97..1224  
US-08-389-423-3  
Query Match 22.6%; Score 235.2; DB 2; Length 1473;  
Best Local Similarity 63.8%; Pred. No. 4.8e-45;  
Matches 392; Conservative 0; Mismatches 213; Indels 9; Gaps 2;  
QY 424 TCTGAAACGGTTCGCACTACCCGCTACTGGAATTCGTGCAAGCCCTCTTGGCCTGGAC 483  
Db 151 TCTGAAACGGTCTACTCTACTCGATACGATGGAATTCGTGCAAGCCCTCTTGGAGC 210  
QY 484 GGAAGGCTTCTGTAACCTAAGCCTGTAACCTGTCACAGGATGGTGTGAGCGGTCTC 543  
Db 211 GGAAGGCTGCTGTCAACGCCCTGCTTTAACTTGTGATAGACGACCAACCCCATTTCC 270  
QY 544 GGTTCGGATGTCAGAGCGGTG---CGTCGGCGGCCAGGCTACATGTGCAATGACAAC 600  
Db 271 AACACCAATGCTGTCAACGGTGTGAGGCTGTGCTTATGCTTATGCTTGCACCAACTAC 330  
QY 601 CAGCCCTGGTGTCAATGACGACCTTCGCTACGGTTCGCTGCTGCTGCTGCTGCTGCTG 660  
Db 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCCTACGGTTCGCTGCTGCTGCTGCTGCTGCT 390  
QY 661 GCGGCTGCTCTGCACTTCTGCTGCGGCTGTACGAGCTTACCTTCCACCAACTGCTGTC 720  
Db 391 GGTTCGAGGCCAGCTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 450  
QY 721 GCTGCAAGAGTTTGTGCTCAGGTACCAACACCGGTGATGATCTCAGCACCAACCAAC 780  
Db 451 AAGGGCAAGAGATGATGCTCCAGTCCACCAACACTGGAGGTGATCTCGGCGACCAACAC 510  
QY 781 TTTGATTGCAATGCGCGCGGTGGTGTGCGCTACTTCAACGGGTGCGAGTCCCAAGTGG 840  
Db 511 TTGATCTCATGATGCGCGCGGTGGTGTGCGTATCTTCGACGGCTGACCTCTGAGT-- 568  
QY 841 AACACCAACCGAGTGGTGGGTGCTGCTATGCGGTGATTTAGCTCTATTTTCAGAGTGC 900  
Db 569 ----TCGGCAAGGCTCTCGCGGTGCCAGTACGGCGGTATCTCTCCCGAAGCGAATGT 624  
QY 901 GACAAGTCTTACCCAGTTCGAGGCTGTGCAAGTGGAGATTCGAGATGTTTCAAGAAC 960  
Db 625 GATAGTACCCGAGCTTCTCAAGGACGGTTCGCTGCGGATTCGAGTTCGAGAAC 684  
QY 961 GCTGACAAACCGAGAGTGCACCTTCAAGGCTGTTACTTGGCTCCCGAGATCATTCGCAAG 1020  
Db 685 GCCGACAAACCTGACTTACCTTTGAGCAGGTTTCAGTGCCCCAAGGCTCTCTCTCGACATC 744  
QY 1021 ACTGGTTGGCAGCG 1034  
Db 745 AGTGGATGCAAGCG 758  
RESULT 9  
US-09-230-665-3  
; Sequence 3, Application US/09230665  
; Patent No. 6322595  
; GENERAL INFORMATION:  
; APPLICANT: Boyer, Stanton L  
; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase  
; TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain  
; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)  
; Patent No. 6322595  
; CURRENT APPLICATION NUMBER: US/09/230,665  
; CURRENT FILING DATE: 1999-01-29  
; EARLIER APPLICATION NUMBER: 60/023,125  
; EARLIER FILING DATE: 1996-07-30  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: Patent In Ver. 2.1





QY 841 AACACCAACACCATGGCTGGGGTCTCGCTATGCGGTTATTAGCTCTATTTCAGAGTGC 900  
Db 569 -----TCGGCAAGGCTCTCGGGGTCGCCAGTAGTACGGGGTATCTCTCCCGAAGCGAATGT 624  
QY 901 GACAAGCTTCTACCCAGTTGCAAGGCTGGTTGCAAGTGGAGATTCCGATGGTTCAAGAAC 960  
Db 625 GATAGCTTACCCCGAGCTTCTCAAGGACGGTTGCCACTTGGCGATTTGCACTGGTTTCAAGAAC 684  
QY 961 GCTGACAAACACGAGGTACCTTTCAAGGCTTGTATTGTCCTTCCCGGAGATCAATTGCCAAG 1020  
Db 685 GCCGACAAACCTGACTTCACTTTGACAGGTTTCAAGGTCAGTGGCCCAAGGCTCTCTCTCGACATC 744  
QY 1021 ACTGGTTCCGAGCG 1034  
Db 745 AGTGGATGCAAGCG 758

RESULT 11  
US-08-651-136C-1  
; Sequence 1, Application US/08651136C  
; Patent No. 6001639  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6001639el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/651,136C  
; FILING DATE: 21-MAY-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 4366.200-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 960 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 113..787  
US-08-651-136C-1

Query Match 22.4%; Score 233.2; DB 3; Length 960;  
Best Local Similarity 60.0%; Pred. No. 1.2e-44;  
Matches 407; Conservative 0; Mismatches 268; Indels 3; Gaps 1;  
QY 360 CACCAAGGCTGCCACCAACCACTCTCTTCAACACTGGGTACAGGCCCACTTTCTGGTG 419

Db 109 CACCATGATCTCTCGCCACCAACCGGGTTCTTCGCCCTCCCGGTCTCTGGCCCTCGACCA 168  
QY 420 CTCTCTGGAACCGTTCGCACTACCGCTTACTGGGATTGCTCAAGCCCTCTTTGCGCCTG 479  
Db 169 GCTCTCGGGCATCGGCCAGACGACCGGTACTGGGACTGCTCAAGCCGAGCTGCGCCTG 228  
QY 480 GGACGGAAGG---CTTCTGTAACTAAGCCTGTACTACCTGTGCCAAGGATGGTGTGAC 536  
Db 229 GCCCGCAAGGGCCCTCGTCTCCGGTGCAGGGCTGCGACAAGACGACACCCGCTCAA 288  
QY 537 CCGTCTCGGTTCGATGTCAGAGCGGTTCGGCGGCCGAGCCCTTACATGTGCAATGA 596  
Db 289 CGACGGCGGTTCACCGGCTCGGACGCGGGCGGAGCGCTTACATGTGCTCCTC 348  
QY 597 CAACGAGCCCTGGGTTGTCAATGACGACCTTGGCTACGGTTTCGCTCGCGATCTCGG 656  
Db 349 CCAGAGCCCTGGGCGGTGTCAGGACGAGCTGTCTGACGGTGGCGGCCGCTCAAGCTCGC 408  
QY 657 TAGCGCGGTGCTCTGCAATTCCTGGGCTGTTACGAGCTTACCTTTCACCAACTGTC 716  
Db 409 CGCAGCTTCCGAGTGCAGTGGTGTGCGCCTGCTTACGAGCTGACCTTTCACCGCGGCC 468  
QY 717 TGTGCTGCGCAAGAGTTTGTCTCCAGGTCCACCAACACCGGTGATGATCTCAGACCAA 776  
Db 469 GGTTCGCGGCAAGAGATGATTGTGCAAGCGACCAACACCGGTGCGGCGACAA 528  
QY 777 CCACCTTTGATTGACAGTCCCGCGGTGGTGTGGGTACTTCAACGCTGCCAGTCCCA 836  
Db 529 CCACCTTTGACCTGGCCATCCCGGTGGCGGTGTGGGTATTTTCAACGCTGCCAGGACA 588  
QY 837 GTGGAACACCAACACCGATGGCTGGGCTGCTCGCTATGCGGCTATTAGCTCTATTTCAGA 896  
Db 589 GTACGGCGCTTCCCGCGAAGCGCTGGGCGACCGCTACGCGGCGATCCATTCCAAGGAAGA 648  
QY 897 GTGCGACAGCTTCTTACCCAGTTCAGGCTGGTGGTGGAGTGGAGATCGGATGGTTCAA 956  
Db 649 GTGCGAATCTTTCGGGAGGCCCTCAAGCCCGGCTGCAACTGGCGCTTCGACTGGTTCCA 708  
QY 957 GAACGCTGACACCCAGAGTTCACCTTCAAGGCTGTTTACTTCCCTCGCGAGATCAATTGC 1016  
Db 709 AAACGCCGACAACCCCGTCCGTCACCTTCAGGAGTGGCTGCCCTCGGAGCTCACGTC 768  
QY 1017 CAAAGCTGGTTGCGAGCG 1034  
Db 769 CAAAGCGGCTGCTCCCG 786

RESULT 12

US-09-229-911A-1  
; Sequence 1, Application US/09229911A  
; Patent No. 6387690

GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu

TITLE OF INVENTION: No. 6387690el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICANT: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 960 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 113..787  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-229-911A-1

Query Match 22.4%; Score 233.2; DB 4; Length 960;  
Best Local Similarity 60.0%; Pred. No. 1.2e-44;  
Matches 407; Conservative 0; Mismatches 268; Indels 3; Gaps 1;

QY 360 CACCAAGGTCGCCACACACCTCTTCCACACATGGCTACAGCCCATTTCTGGTGG 419  
DB 109 CACATGCACTCTCCGCCACACACCGGTCTCTGCCCTCCCGTCTGGCCCTTGACCA 168  
QY 420 TTCTCTGGAAACGGTCGCACTACCGCTACTCGGATTTGTGCAAGCCCTCTTGGCCCTG 479  
DB 169 GCTCTCGGCATCGGCCAGAGACCGGTACTGGACTGTGCAAGCGAGCTGGCGCTG 228  
QY 480 GACGGAAGG-----CTTCTGTAACTAAGCTGTACTACCTGTGTGCAAGGATGGTGTG 536  
DB 229 GCCCGCAAGGGCCCTCTCGTCTCGGTGCGAGGCTGCGCAAGACGACAAACCGCTCAA 288  
QY 537 CGTCTCGGTTCGATGTCCAGAGCGTTCGTCGCGCGCGCGCTACATGTGCAATGA 596  
DB 289 CGAGCGCGCTCCACCGGTTCGCGTTCGAGCGCGCGCGCTACATGTGCTCTCT 348  
QY 597 CAACCAAGCCCTGGGTTGTCAATGACGACCTTGCTACGGTTTCGCTGCTGCCAGTCTCG 656  
DB 349 CCAGAGCCCTGGGCGTTCAGGACGAGCTGTGTACGCTGGGCGCGCTCAAGCTCG 408  
QY 657 TAGCGCGGTGCTCTGCACTCTGCTGGCTGTGTAGAGCTTACCTTACCAACACTGC 716  
DB 409 CGCAGCTCCGAGTCCGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 468  
QY 717 TGTCTGTCGCAAGAGTTTCTCTCCAGGTCACCAACACCGGTGATGATCTACGACCAA 776  
DB 469 GGTCTGCGGCAAGAGATGATGTGTCAGGCGCAACACCGGTGCGGCTGGGCGACAA 528  
QY 777 CCACTTTGATTTGCAATGTCGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 836  
DB 529 CCACTTTGACCTGGCCATCCCGGTGGCGGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 588  
QY 837 GTGGAACACCAACCGATGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 896  
DB 589 GTACGGCGCTCCCGCAACCGCTGGGCGCACCGCTACCGCGGCTCCATTCGAAGGA 648  
QY 897 GTCCGACAGCTTCTTACCCAGTGTGAGGCTGCTGCAAGTGTGAGATTCGATGTTCAA 956  
DB 649 GTCCGAACTCTTCCCGAGGCGCTCAAGCCCGCTGCACTGAGCGCTTGACGTTTCCA 708  
QY 957 GAACGCTGACACCCAGAGGTACCTTCAAGGCTGTTACTTTCGCTGCTGCGGAGATCAT 1016

Db 709 AAAGCGGAGAACCCGTCGTCACCTTCCAGGAGGTGGCTGCGCGCTCGAGCTCAGTC 768  
QY 1017 CAAGACTGTTGGAGCG 1034  
Db 769 CAAGAGCGGCTGCTCCCG 786

RESULT 13  
US-08-651-136C-5  
Sequence 5, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924  
US-08-651-136C-5

Query Match 22.3%; Score 231.8; DB 3; Length 927;  
Best Local Similarity 62.0%; Pred. No. 2.5e-44;  
Matches 384; Conservative 0; Mismatches 232; Indels 3; Gaps 1;

QY 422 TCTCTGGAACCGTCCGACTACCGCTACTGGATGCTGCAAGCCCTCTTGGCCCTGGG 481  
DB 59 TCTCGGAGGATCGGCCAGACGACCGGTACTGGGACTGCTGCAAGCGAGCTGGCTGGC 118  
QY 482 ACGGAAGG---CTTCTGTAACTAAGCCTGTACTACCTGTGCAAGGATGGTGTGAGCC 538  
DB 119 CGGCAAGGCGCCCTCTGCTCGGTGAGCCCTGCGCAAGACGACACCCGCTCAAG 178  
QY 539 GTCTCGGTTCCGATGTCAGAGCGGTTGCTGCGGCGCGCAGGCTTACATGTGCAATGACA 598  
DB 179 ACGGCGGCTCCACCCCGGTCGCGAGCGCGGCGGAGCGCTACATGTGCTCTCC 238

TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924

SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-229-911A-5

Query Match 22.3%; Score 231.8; DB 4; Length 927;  
Best Local Similarity 62.0%; Pred. No. 2.5e-44;

Matches 384; Conservative 0; Mismatches 232; Indels 3; Gaps 1;

QY 422 TCTCTGGAACGGTGCACACTACCCGCTACTGGGATTGCTGCAAGCCCTCTTGGCGCTGG 481  
Db 59 TCTCGGGCATCGGCCAGACGCCGGTACTGGGACTGTGCAAGCCGAGCTGGCGCTGGC 118  
QY 482 ACGGAAAGG---CTTCTGTAATAAGCCTGTACTACCTGTGCCAAGGATGTTGTCAAGC 538  
Db 119 CCGGCAAGGGGCCCTCGTCTCGGTGCAAGGCTGCGACAAGAACGACAAACCGCTCAAG 178  
QY 539 GTCTCGGTTCCGATGTCAGAGCGGTTGCTGCGCGCGCGAGCCCTACATGTGCAATGACA 598  
Db 179 ACGGCGGCTCCACCGGTCGGCTCGGACGGCGCGGCGGCGCTACATGTGCTCTCCC 238  
QY 599 ACCAGCCCTGGGTTGTCAATGACACCTTGCCTACGGTTTGGCTGCTGCTGCTGCTGCTG 658  
Db 239 AGAGCCCTGGCGCTGACGCGACGAGCTGTCTGCTGCGGCTGGCGCGCGCTCAAGCTCGCG 298  
QY 659 GCGCGGTCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718  
Db 299 GCAGCTCCGAGTCGCGAGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 358  
QY 719 TCGCTGGCAAGAGTTTGTGCTCCAGGTCAACAAACCGGCTGATGATCTCAGCACCACCC 778  
Db 359 TCGCGGGCAAGAGATGATTGTGCGAGCGACCAACACCGGTCGGCGCTGGCGCGACCA 418  
QY 779 ACTTTGATTTGACAGATGCCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 838  
Db 419 ACTTTGACCTTGGCCATCCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 478  
QY 839 GGAACACCAACACCGATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 898  
Db 479 ACGCGCTCCCGCGACCGCTGGGCGGACCGCTTACGCGCGCATCCATTCCAAGGAAGAGT 538  
QY 899 GCGAAGAGTTCTTACCCAGTTCAGGCTGGTTCGAAGTGGAGATTTCGGATGTTTCAAGA 958  
Db 539 GCGAATCTTCCCGGAGGCCCTCAAGCCCGGCTGCAACTGCGCTTCGACTGTTTCCAA 598  
QY 959 ACGCTGACAAACCCAGAGTCACTTCAAGGCTGTTACTTGGCCCTGCGGATCATTTGCCA 1018  
Db 599 ACGCGGACAAACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658

RESULT 15  
US-08-651-136C-3  
; Sequence 3, Application US/08651136C  
; Patent No. 6001639  
; GENERAL INFORMATION:  
; APPLICANT: Schuelein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.

QY 599 ACCAGCCCTGGGTTGTCAATGACGACCTTGCCTTACCGTTTCGCTGCTGCTGCTGCTGCTG 658  
Db 239 AGAGCCCTGGCGCTGACGCGACGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 298  
QY 659 GCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 718  
Db 299 GCAGCTCCGAGTCCGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 358  
QY 719 TCGCTGCAAGAGTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 778  
Db 359 TCGCGGCAAGAGATGATTGTGCGGCGACCAACCGGTCGGGCTGCGGCTGCGGCGACCA 418  
QY 779 ACTTTGATTTGACAGATGCCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 838  
Db 419 ACTTTGACCTTGGCCATCCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 478  
QY 839 GGAACACCAACACCGATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 898  
Db 479 ACGCGCTCCCGCGACCGCTGGGCGGACCGCTACGCGCGCATCCATTCCAAGGAAGAGT 538  
QY 899 GCGAAGAGTTCTTACCCAGTTCAGGCTGGTTCGAAGTGGAGATTGGGATGTTTCAAGA 958  
Db 539 GCGAATCTTCCCGGAGGCCCTCAAGCCCGGCTGCAACTGCGCTTCGACTGTTTCCAA 598  
QY 959 ACGCTGACAAACCCAGAGTCACTTCAAGGCTGTTACTTGGCCCTGCGGATCATTTGCCA 1018  
Db 599 ACGCGGACAAACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658

RESULT 14  
US-09-229-911A-5

; Sequence 5, Application US/09229911A  
; Patent No. 6387690

GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Inara, Michiko  
Takagi, Shinobu

TITLE OF INVENTION: No. 6387690el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. 6387690 No. 6387690disk of No. 6387690th America, Inc.  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:

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APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
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CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
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REFERENCE/DOCKET NUMBER: 4366.200-US  
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TELEPHONE: 212-867-0123  
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INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 894 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..891  
US-08-651-136C-3

Query Match : 22.1%; Score 230.4; DB 3; Length 894;  
Best Local Similarity 62.0%; Pred. No. 5.2e-44;  
Matches 382; Conservative 0; Mismatches 231; Indels 3; Gaps 1;  
QY 422 TCTCTGGAAACGGTGGCACTACCGCTACTGGGATGCTGCAAGCCCTCTTGGCGCTGGG 481  
DB 59 TCTCGGGCATCGGCCAGACAGCCCGGTACTGGGACTGCTGCAAGCCGAGCTGCGCTGGC 118  
QY 482 ACGGAAGG---CTTCTGTAATAAGCCTGTACTACCTGTGCAAGGATGGTGTGAGCC 538  
DB 119 CCGGCAAGGGCCCTCTGCTCCGGTGGAGCCCTGGCAAGAACGACACCCGCTCAAG 178  
QY 539 GTCTCGGTTCCGATGCCAGAGCGGTTGCTCGCGCGGCCAGGCTACATGTGCAATGACA 598  
DB 179 ACGCGGCTCCACCGGTCGGGTGCGACGCGGGCGGCGAGCGCTACATGTGCTCTGCC 238  
QY 599 ACCAGCCCTGGGTGTTCAATGACGACCTTGCCTACGGTTGCTGCTGCCAGTCTCGGTA 658  
DB 239 AGAGCCCTCGGGCGGTGACGACGAGCTGTGACGGCTGGGGCGGCGCTCAAGCTCGCCG 298  
QY 659 GCGCCGGTGTCTGCTGATCTGCTGGGGCTGTTACGAGCTTACCTTCAACCAACACTGCTG 718  
DB 299 GCAGCTCCGAGTCCGAGTGGTGTGCGCTGCTACGAGTGCACCTTCAACGCGGGCGG 358  
QY 719 TCCTGGCAGAGATTTGTGCTCAGGTACCAACACCGGTGATGATCTCAGCACCAACC 778  
DB 359 TCGGGGCAAGAGATGATTGTGACGCGACCAACACCGGTGGCGACCTGGGCGCAACC 418  
QY 779 ACTTTGATTGACAGATGCCCGGCGGTGGTGTGCGCTACTTTCAACGGGTGCCAGTCCAGT 838  
DB 419 ACTTTGACCTGGCCATCCCGCGTGGGGTGTGCGGTATTTTCAACGGCTGCACCGACG 478

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QY 899 GCGACAAGCTTCTACCCAGTTGCAAGGCTGGTTGCAAGTGGAGATTCCGATGTTCAAGA 958  
DB 539 GCGAATCCTTCCCGGAGGCGCTCAAGCCGCGTGCACAACTGGCGCTTCGACTGGTTCANA 598  
QY 959 ACGCTGACAAACCCAGAGGTCACCTTCAAGGCTGTTACTTGGCCCTGCGGAGATCATTGCCA 1018  
DB 599 ACGCGACAAACCCGTCGCTGCTTCCAGGAGTGGCCTGCGCGTCCGAGCTCACGTCCA 658  
QY 1019 AGACTGGTTGGAGCG 1034  
DB 659 AGAGCGGCTGCTCCCG 674

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